**Aviation & Aerospace Science, B.S., Air Traffic Collegiate Training Initiative Concentration**

**303-556-2983 Seventh Street 102**

**College of Professional Studies**

This sheet applies to the 2015-2016 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Studies</td>
<td>34</td>
</tr>
<tr>
<td>Major courses</td>
<td>44</td>
</tr>
<tr>
<td>Minor courses</td>
<td>18</td>
</tr>
<tr>
<td>Electives</td>
<td>24</td>
</tr>
<tr>
<td>Total to graduate (min. 40 upper division hours)</td>
<td>120</td>
</tr>
</tbody>
</table>

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

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**TO BE COMPLETED WITHIN FIRST 30-CREDIT HOURS AT MSU DENVER**

### Written Communication
- ENG 1010 (3 hrs) Composing Arguments*
- OR ENG 1008/1009 (6 hrs) Intro to Composition I and II*
- OR ENG 1020 (3 hrs) Freshman Comp: Anly, Rsrch, & Documt. (must be completed within 45-credit hours)

### Oral Communication*
- SPE 1010 (3 hrs) Public Speaking
- OR SPE 1710 (3 hrs) Interpersonal Communication

### Quantitative Literacy*
- MTH 1110 (4 hrs) College Algebra
- OR MTH 1112 (4 hrs) College Algebra Through Modeling
- OR MTH 1310 (4 hrs) Finite Mathematics for the Mgmt & Social Sciences

### Arts & Humanities
- PHI 1030 (3 hrs) Introduction to Ethics

### Historical
- (3 hrs)

### Natural & Physical Sciences
- PHY 1250 (6 hrs) Physics of Aviation

### Social & Behavioral Science I
- (3 hrs)

### Social & Behavioral Science II
- (3 hrs)

### Global Diversity
- (3 hrs) may be satisfied within General Studies

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**MAJOR COURSES** (grade of “C-” or better required for all major upper-division classes). See a faculty advisor

- AES 1100 (6 hrs) Aviation Fundamentals
- AES 1400 (3 hrs) Aviation Weather
- AES 1710 (3 hrs) Instrument Flight Simulation I
- AES 2120 (4 hrs) Instrument Fundamentals
- AES 2130 (3 hrs) Commercial Flight Operations
- AES 2200 (4 hrs) Fundamentals of Air Traffic Control
- AES 2710 (3 hrs) Instrument Flight Simulation II
- AES 3880 (3 hrs) Aviation Security
- AES 4100 (3 hrs) Advanced Air Traffic Control
- AES 4370 (3 hrs) Advanced Navigation Systems
- AES 4860 (3 hrs) Aviation Safety
- OR AES 4870 (3 hrs) Aviation Safety Program Management
- OR AES 4910 (3 hrs) Aviation and Aerospace Strategic Planning (Sr. Exp.)
- OR AES 4210 (3 hrs) Airport Planning and Management II *
- OR AES 4930 (3 hrs) Professional Flight Standards Seminar
- OR COM 4790 (3 hrs) Senior Seminar in Tech. Communications (Sr. Exp.)

*Requires completion of AES 4200 Airport Planning and Management I

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**MINOR** required (minimum 18-credit hours): Non-AES except for Airframe and Powerplant Mechanics minor.

**ELECTIVES**